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Docket No.: SAI.P011 US

November 26, 2003

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


Inventor(s): John M. Morgenstern; Alan E. Arslan; James B. Bach  
Title: SYSTEM, APPARATUS, AND METHOD FOR REDISTRIBUTING FORCES TO MEET  
PERFORMANCE GOALS AND SHOCK WAVE DISTURBANCE CONSTRAINTS  
Serial No.: 10/714,276  
Filing Date: November 14, 2003

Enclosed herewith for filing is as follows:

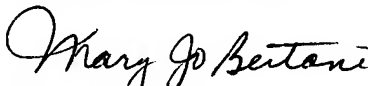
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2. This Transmittal Letter (in duplicate)
3. Information Disclosure Statement Under 37 CFR § 1.97(b)
4. Form PTO/SB/08
5. Copy of References Cited (7 references)

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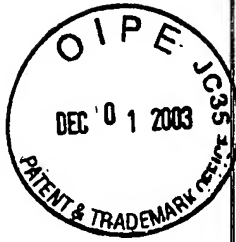
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Respectfully submitted,

  
Mary Jo Bertani  
Attorney for Applicant(s)  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant(s): John M. Morgenstern; Alan E. Arslan; James B. Bach  
Assignee: Supersonic Aerospace International, LLC  
Title: SYSTEM, APPARATUS, AND METHOD FOR  
REDISTRIBUTING FORCES TO MEET PERFORMANCE  
GOALS AND SHOCK WAVE DISTURBANCE CONSTRAINTS  
Serial No.: 10/714,276 Filing Date: November 14, 2003  
Examiner: To Be Assigned Group Art Unit: To Be Assigned  
Docket No.: SAI.P011 US KB Ref. No.: 1023.P011 US

Irvine, California  
November 26, 2003

COMMISSIONER FOR PATENTS  
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Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR § 1.97(b)**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying form PTO/SB/08 are called to the attention of the Examiner for the above patent application. Copies of these documents are enclosed.

Citation of these documents shall not be construed as:

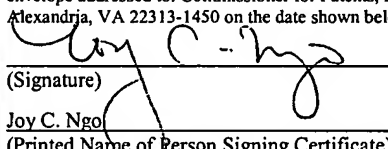
1. an admission that the documents are necessarily prior art with respect to the instant invention;
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3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

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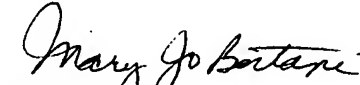
  
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Respectfully submitted,

  
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PTO/SB/08B (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

<b>Sheet</b>	<b>of</b>	<b>Application Number</b>	10/714,276
		<b>Filing Date</b>	November 14, 2003
		<b>First Named Inventor</b>	Morgenstern, John M.
		<b>Art Unit</b>	
		<b>Examiner Name</b>	
<b>Attorney Docket Number</b>		SAI.P011 US (1023.P011 US)	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SRIRAM K. RALLABHANDI and DIMITRI N. MAVRIS, An Unstructured Wave Drag Code For Preliminary Design of Future Supersonic Aircraft, American Institute of Aeronautics and Astronautics Paper, pp. 1-8, Aerospace Systems Design Lab, Georgia Tech, Atlanta.	
		MINORU YOSHIMOTO, NAOKI UCHIYAMA, Optimization of Canard Surface Positioning of Supersonic Business Jet for Low Boom and Low Drag Design, American Institute of Aeronautics and Astronautics, 2003, pp. 1-10, AIAA 2003-3576, 33rd AIAA Fluid Dynamics Conference and Exhibit, Orlando, Florida, 23-27 Jun 2003.	
		YOSHIKAZU MAKINO, KEN'ICHIRO SUZUKI, MASAYOSHI NOGUCHI and KENJI YOSHIDA, Non-Axisymmetrical Fuselage Shape Modification for Drag Reduction of a Low Sonic-Boom Airplane, American Institute of Aeronautics and Astronautics, 2003, pp. 1-11, AIAA 2003-557, 41st Aerospace Sciences Meeting and Exhibit, 6-9 January 2003, Reno, Nevada.	
		DONALD C. HOWE, Sonic Boom Reduction Through the Use of Non-Axsymmetric Configuration Shaping, American Institute of Aeronautics and Astronautics, 2003, pp. 1-9, AIAA 2003-929, 41st Aerospace Sciences Meeting and Exhibit, 6-9 January 2003, Reno, Nevada.	
		CHARBEL FARHAT, BRIAN ARGROW, MELIKE NIKBAY and KURT MAUTE, A Shape Optimization Methodology with F-Function Lobe Balancing for Mitigating the Sonic Boom, American Institute of Aeronautics and Astronautics, 2002, pp. 1-9, AIAA 2002-5551, 9th AIAA/ISSMO Symposium on Multidisciplinary Analysis and Optimization, 4-6 September 2002, Atlanta Georgia.	
		FRANK MARCONI, RODNEY D.W. BOWERSOX and JOSEPH A. SCHETZ, Sonic Boom Alleviation Using Keel Configurations, Journal of Aircraft, Vol 40, No. 2, March-April 2003, pp. 363-369.	
		CHRISTINE M. DARDEN, Sonic Boom Minimization with Nose-Bluntness Relaxation, NASA, 1979, pp. 1-50, NASA Technical Paper 1348, USA.	

<b>Examiner Signature</b>	<b>Date Considered</b>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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